**Storage accounts**

Blobs, files, table, messages

Azure resources should be located in that regions where client are located  
Do a latency test for that region

Availaibity set: backup of data center

LRS(3 copies within your same data center) locally redundant region  
ZRS(2 -3 facilities, across 2 regions). Protects witin a single region

GRS( 3 copies in primary and 3 copies in secondary region). Protects across

RAGRS(Read access secondary data)

Pricing (Region, account type, replication type, storage transactions, storage capacity, data egress)

**Online Latency test**

azureapeed.com

Live latency measures

Cloud pricing

SLA: 99.99%

**Pricing Calculator**

**Azure Storage Tools**

Azure Portal tool  
Azure Storage Explorer  
Azure Storage Emulator  
AzCopy command line tool(Command line tools)  
Storage commandlets for Azure PS  
Storage context for Azure CLI

MindDomo

**BlobStorage : Use case & Blob types**VM DisksUnstructured data

**VM Storage :**

**Traditional Storage account: 20K IOPS limitation**

**200 storage accounts**

**Managed Disks:**Azure handles VHD   
10K VHD per subscription

**Blob Types**Page blobs: VHD, random readwrite operaions  
Block blobs: media/unstructured data  
Append bob: logging

Azure will do it automatilcally.

Tables: Key value pair

Applciaiton with flexible schema.   
Need to minimize cost of multi TB data  
Fast Geo scale and access and DR  
REST API Access and no need for web front end  
  
Azure Queue Storage

**Storage Service Queue** REST/Get/Put  
 80 GB messages < 7 day lifetime

**Service Bus**

Separate product  
Publish / Subscirbe model  
recive message without polling  
symmetry with on premises service bus for getrway